

# Build Interest in a Specific Discipline - Science and Mathematics

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## Visiting Professors’ Program

Montclair State University  
NJ Higher Education Sector: State College or University  
Year Began: 2001

### CONTACT INFORMATION

Jacalyn Williis, Director, PRISM  
Montclair State University  
1 Normal Ave., Montclair, NJ 07043  
Telephone: 973.655.7753  
Email: wiullsj@mail.montclair.edu  
Web Site: <http://prism.montclair.edu/prism/>  
Partners: area high schools

### DESCRIPTION

The Visiting Professors’ Program is a short-term program designed to generate an atmosphere of inquiry, enthusiasm and challenge to students in elementary and high school. The College of Science and Mathematics professors visit an area classroom and share their research and expertise during a 40-minute class lecture/lab.

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## NSF Graduate Teaching Fellows in the Newark Public Schools

Rutgers, The State University of New Jersey - Newark  
NJ Higher Education Sector: Public Research University  
Year Began: 2001                      Participants Served: approx. 750

### CONTACT INFORMATION

Jeffrey D. Kidder, Assistant Professor, Assistant Professor  
Rutgers University-Newark  
Conklin Hall 158, Newark, New Jersey 07102  
Telephone: 973.353.5405  
Email: jkidder@andromeda.rutgers.edu  
Web Site: <http://www.nsf.gov>  
Partners: Newark Public Schools

### DESCRIPTION

The project links Rutgers University - Newark graduate students and advanced undergraduates from the sciences with the Newark Public Schools as NSF Teaching Fellows. The broad goals of the program to share knowledge of and interest in science and mathematics with students and expose them to new ideas, resources, and potential careers; and to provide university students with a variety of educational experiences that enhance their teaching skills. Study-skills training, campus visits and tours, mentoring, cultural activities and field trips are provided during the academic year, during school hours.

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## Medical Sciences Academy

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine  
NJ Higher Education Sector: Public Research University  
Year Began: 1989                      Participants Served: 57

### CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning  
University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine  
Stratford, NJ  
Telephone: 856.566.6241  
Email: crosbijw@umdnj.edu  
Partners: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine, All high schools in Camden, Burlington, and Gloucester Counties

### DESCRIPTION

University of Medicine and Dentistry of NJ - School of Osteopathic Medicine runs this project for high school honor students from the tri-county area (Burlington-Camden-Gloucester) where 12th grade honor students with interest in math, science or health professions attend a 28-week medical orientation consisting of didactics and clinical experiences. Promote pursuing careers in math, science and health science. The students, who meet weekly for 28 weeks on Tuesdays and Thursdays from 2:00 to 3:30 p.m., participate in lab learning experiences and receive presentations by guest speakers on the medical and health care professions. Every high school in the three counties can send up to two students to participate in the program, which will provide credits that may be transferred to many colleges and universities.

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